BRUHATH BENGALURU MAHANAGARA PALIKE
Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64
No:NO.EE/YNK/E-PROC/05/2016-17 Dated: 26-012-2016

APPROVED TENDER SCHEDULE –'B'

Item No:1

Name of Work: Improvements to roads and drains at Attur Village Attur Layout Santhosh Nagara Muneshwara Nagara in Ward No: 03

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri B B Umesha	
				Rate	Rate in Words
1	Removing BS Slab of drain and Stacking (Page No 25., I.No.5.32 of KPWD S.R 2015-16).	Sqm	3612.36	50.00	Rupees fifty only
2	Refixing Stone Slabs of drains and Pointing in C.M(1:3) (Page No 25., I.No.5.33 of KPWD S.R 2015-16).	Sqm	3341.97	70.00	Rupees seventy only
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10cm thick(Page No 25., I.No.5.31.2 of KPWD S.R 2015-16).	Sqm	92.1	650.00	Rupees six hundred fifty only
4	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10cm thick(Page No 25., I.No.5.31.2 of KPWD S.R 2015-16).	Sqm	214.43	1550.00	Rupees one thousand five hundred fifty only
5	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No141., I.No.19.1 of KPWD S.R 2015-16).	Cum	1451.6	160.00	Rupees one hundred sixty only
6	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregtes @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted,in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 (Page No 12., I.No.4.2 of KPWD S.R 2015-16).	Cum	1.05	5000.00	Rupees five thousand only
7	KSRB 5.2-3. Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 28., I.No.5.6 of KPWD S.R 2015-16).	Cum	5.46	3800.00	Rupees three thousand eight hundred only

For SMC / Asst

1

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri B B Umesha	
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8	1 KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. (Page No 112., I.No.15.1 of KPWD S.R 2015-16).	Sqm	9.1	100.00	Rupees one hundred only
9	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No 12., I.No.4.6 of KPWD S.R 2015-16).	Sqm	0.84	5500.00	Rupees five thousand five hundred only
10	Providing precast slab of 250mm thick including cost of all materials, labour, curing,transportation,loading ,unloading,etc.,complete as per the direction of engineer in charge- Data rate	Sqm	10.5	5000.00	Rupees five thousand only
11	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301(Page No 142., I.No.19.14 of KPWD S.R 2015-16).	Cum	5852.6	130.00	Rupees one hundred thirty only
12	for sub soil treatment including watering ramming with all lead and lift complete as per specifications. specification. No. KBS 2.10.2, (Rate Analysis)	Cum	1292.5	950.00	Rupees nine hundred fifty only
13	10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3 (Page No 148., I.No.19.64 of KPWD S.R 2015-16).	Sqm	12716.3	4.00	Rupees four only
14	per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material (Page No 154., I.No.20.4.2 of KPWD S.R 2015-16).	Cum	107.88	1500.00	Rupees one thousand five hundred only
15	KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No 157., I.No.20.18 of KPWD S.R 2015-16).	Cum	3814.33	1700.00	Rupees one thousand seven hundred only
16	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502 (Page No 160., I.No.21.6 of KPWD S.R 2015-16).	Sqm	12203.3	20.00	Rupees twenty only

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17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 (Page No 160., I.No.21.7 of KPWD S.R 2015-16).	Sqm	12203.3	10.00	Rupees ten only
18	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507 (Page No 161., I.No.21.17.6 of KPWD S.R 2015-16).	Cum	610.17	6300.00	Rupees six thousand three hundred only
19	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with wheeled , vibratory and tandeem rollers to achieve the desired density including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509 (Page No 164., I.No.21.22.6 of KPWD S.R 2015-16).	Cum	427.12	7500.00	Rupees seven thousand five hundred only
20	KSRRB M600-1. Construction of dry lean cement concrete mix M5 with OPC cement @160Kgs, with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383,) aggregate cement ratio not to exceed 15:1,aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH Specification No. 601 (Page No,-173, I.No.22.1 of KPWD S.R 2015-16)	Cum	89.9	3600.00	Rupees three thousand six hundred only

For SMLP Asphalt

B.B.

Proprietor

Sl	Description of work	Unit	Approved Qty	Rate Quoted by the Contractor Approved Rates Sri B B Umesha	
				Rate	Rate in Words
21	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M30(at 360 kg per cum coarse aggregate @ 0.69 cum and fine aggregate @0.46 cum) , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 eaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications.(Page No 174., I.No.22.6.1 of KPWD S.R 2015-16).	Cum	125.86	5600.00	Rupees five thousand six hundred only
22	Providing groove cutting for Concrete pavement width of 5mm to 10mm and depth 80mm- 100mm including cost of cutting machine, generator & HOM of machinery, including cost of blade,coolant etc., including cleaning of groove & providing sand and hot bitumen fillars, and filler metal etc., including cost of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications.(Page No 172., I.No.22.8.1 of KPWD S.R 2015-16).	Mtr	423.4	70.00	Rupees seventy only
23	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No 181., I.No.24.15 of KPWD S.R 2015-16).	Sqm	509.15	400.00	Rupees four hundred only

Signature of the Contractor

Executive Engineer,
Yelahanka Division,
BBMP, Bengaluru-64.